## Claims

- [c1] 1. A pixel structure of a display, comprising:
  - a switching transistor, wherein a gate terminal of the switching transistor is electrically connected to a scan line, and a source terminal thereof is electrically connected to a signal line;
  - a driving transistor, wherein a gate terminal of the driving transistor is electrically connected to a drain terminal of the switching transistor;
  - a first capacitor disposed between the gate terminal of the driving transistor and a source terminal thereof; a light emitting diode having a first terminal electrically connected to a operational voltage, and a second terminal electrically connected to a drain terminal of the driving transistor; and
  - a reset transistor, wherein a gate terminal of the reset transistor is electrically connected to an autozero signal, a drain terminal is electrically connected to the driving transistor, and a source terminal electrically connected to a ground voltage.
- [c2] 2. The pixel structure of a display of claim 1, wherein the switching transistor, the driving transistor and the reset

transistor are thin film transistors.

- [03] 3. The pixel structure of a display of claim 2, wherein the switching transistor, the driving transistor and the reset transistor are made from poly-silicon.
- [c4] 4. The pixel structure of a display of claim 2, wherein the switching transistor, the driving transistor and the reset transistor are made from amorphous silicon.
- [05] 5. The pixel structure of a display of claim 1, wherein the first terminal of the light emitting diode is an anode, and the second terminal thereof is a cathode.
- [06] 6. The pixel structure of a display of claim 1, wherein the light emitting diode is made from an organic material.
- [c7] 7. The pixel structure of a display of claim 1, further comprising a second capacitor disposed between the source terminal and the drain terminal of the reset transistor.
- [08] 8. A pixel structure of a display, comprising:
  a switching transistor, wherein a gate terminal of the
  switching transistor is electrically connected to a scan
  line, and a source terminal thereof is electrically connected to a signal line;
  a driving transistor, wherein a gate terminal of the driv-

ing transistor is electrically connected to a drain terminal of the switching transistor;

a first capacitor disposed between the gate terminal of the driving transistor and a source terminal thereof; a light emitting diode having a second terminal electrically connected to a ground voltage, and a first terminal electrically connected to a source terminal of the driving transistor; and

a reset transistor, wherein a gate terminal of the reset transistor is electrically connected to an autozero signal, a source terminal is electrically connected to the driving transistor, and a drain terminal electrically connected to an operational voltage.

- [c9] 9. The pixel structure of a display of claim 8, wherein the switching transistor, the driving transistor and the reset transistor are thin film transistors.
- [c10] 10. The pixel structure of a display of claim 9, wherein the switching transistor, the driving transistor and the reset transistor are made from poly-silicon.
- [c11] 11. The pixel structure of a display of claim 9, wherein the switching transistor, the driving transistor and the reset transistor are made from amorphous silicon.
- [c12] 12. The pixel structure of a display of claim 8, wherein

the first terminal of the light emitting diode is an anode, and the second terminal thereof is a cathode.

- [c13] 13. The pixel structure of a display of claim 8, wherein the light emitting diode is made from an organic material.
- [c14] 14. The pixel structure of a display of claim 8, further comprising a second capacitor disposed between the first terminal and the second terminal of the light emitting diode.
- [c15] 15. A driving method of a pixel of a display, adapted for a pixel structure, wherein the pixel structure comprises: a switching transistor, a driving transistor, a first capacitor, a light emitting diode and a reset transistor, a gate terminal of the driving transistor electrically connected to a drain terminal of the switching transistor, the first capacitor disposed between the gate terminal of the driving transistor and a source terminal thereof, the light emitting diode having a first terminal electrically connected to a operational voltage, and a second terminal electrically connected to a drain terminal of the driving transistor, a drain terminal the reset transistor electrically connected to the driving transistor, and a source terminal thereof electrically connected to a ground voltage, the driving method comprising:

turning on the switching transistor at a threshold voltage writing timing, then turning off the reset transistor and applying a start voltage to the gate terminal of the driving transistor;

lowering the operational voltage to a low voltage at an data writing timing for turning off the light emitting diode, applying an data voltage to the gate terminal of the driving transistor; and

turning off the switching transistor after the data writing timing, raising the operational voltage to a high voltage, turning on the reset transistor for driving the light emitting diode.

- [c16] 16. The driving method of a pixel of a display of claim 15, wherein a gate terminal of the switching transistor is electrically connected to a scan line, a source terminal thereof is electrically connected to a signal line, a drain terminal thereof is electrically connected to the gate terminal of the driving transistor, and the step of turning on the switching transistor is by inputting a scan voltage via the scan line.
- [c17] 17. The driving method of a pixel of a display of claim 16, wherein the start voltage and the data voltage are applied to the gate terminal of the switching terminal via the signal line.

- [c18] 18. The driving method of a pixel of a display of claim 16, wherein the reset transistor is turned off after a delay time, when the switching transistor is turned on by the scanning voltage via the scan line; and the delay time is determined by a time of tuning on the switching transistor.
- [c19] 19. The driving method of a pixel of a display of claim 15, wherein the gate terminal of the reset transistor is electrically connected to an autozero line.
- [c20] 20. The driving method of a pixel of a display of claim 15, wherein the first terminal of the light emitting diode is an anode, and the second terminal thereof is a cathode.
- [c21] 21. The driving method of a pixel of a display of claim 15, wherein the start voltage Vo is applied to the gate terminal of the driving transistor so that a gate voltage thereof is Vo; and a source voltage is Vo-V<sub>T</sub>, wherein the V<sub>T</sub> is a threshold voltage of the driving transistor.
- [c22] 22. The driving method of a pixel of a display of claim 21, wherein the data voltage Vdata is applied to the gate terminal of the driving transistor so that a voltage drop on the first capacitor is Vdata-(Vo- $V_T$ + $\Delta$ Vdata), wherein the  $\Delta$ Vdata=K(Vdata-Vo).

- [c23] 23. The driving method of a pixel of a display of claim 22, wherein the a driving current of the light emitting diode is proportional to (Vdata-Vo-ΔVdata)<sup>2</sup>.
- [c24] 24. The driving method of a pixel of a display of claim 22, wherein K=Cs/Ctotal, Cs represents a capacitance of the first capacitor, and Ctotal is a sum of capacitances on the source terminal of the driving transistor.
- [c25] 25. The driving method of a pixel of a display of claim 24, wherein the pixel structure further comprises a second capacitor disposed between the source terminal and the drain terminal of the reset transistor for adjusting the K.
- [c26] 26. A driving method of a pixel of a display, adapted for a pixel structure, wherein the pixel structure comprises: a switching transistor, a driving transistor, a first capacitor, a light emitting diode and a reset transistor, a gate terminal of the driving transistor electrically connected to a drain terminal of the switching transistor, the first capacitor disposed between the gate terminal of the driving transistor and a source terminal thereof, the light emitting diode having a first terminal electrically connected to a source terminal of the driving transistor, and a second terminal electrically connected to a ground

voltage, a source terminal of the reset transistor electrically connected to the driving transistor, and a drain terminal thereof electrically connected to an operational voltage, the driving method comprising:

turning on the switching transistor at a threshold voltage writing timing, then raising the ground voltage to a high voltage for turning off the light emitting diode and applying a start voltage to the gate terminal of the driving transistor;

turning off the reset transistor at an data writing timing, and applying an data voltage to the gate terminal of the driving transistor; and

turning off the switching transistor after the data writing timing, lowering the ground voltage to a low voltage for driving the light emitting diode, and turning on the reset transistor.

[c27] 27. The driving method of a pixel of a display of claim 26, wherein a gate terminal of the switching transistor is electrically connected to a scan line, a source terminal thereof is electrically connected to a signal line, a drain terminal thereof is electrically connected to the gate terminal of the driving transistor, and the step of turning on the switching transistor is by inputting a scan voltage via the scan line.

- [c28] 28. The driving method of a pixel of a display of claim 27, wherein the start voltage and the data voltage are applied to the gate terminal of the driving transistor via the signal line.
- [c29] 29. The driving method of a pixel of a display of claim 27, wherein the ground voltage is raised to the high voltage after a delay time, when the switching transistor is turned on by the scanning voltage via the scan line; and the delay time is determined by a time of tuning on the switching transistor.
- [c30] 30. The driving method of a pixel of a display of claim 26, wherein the gate terminal of the reset transistor is electrically connected to an autozero line.
- [c31] 31. The driving method of a pixel of a display of claim 26, wherein the first terminal of the light emitting diode is an anode, and the second terminal thereof is a cathode.
- [c32] 32. The driving method of a pixel of a display of claim 26, wherein the start voltage Vo is applied to the gate terminal of the driving transistor so that a gate voltage thereof is Vo; and a source voltage is Vo-V<sub>T</sub>, wherein the V<sub>T</sub> is a threshold voltage of the driving transistor.
- [c33] 33. The driving method of a pixel of a display of claim

- 32, wherein the data voltage Vdata is applied to the gate terminal of the driving transistor so that a voltage drop on the first capacitor is Vdata-(Vo- $V_T$ + $\Delta$ Vdata), wherein the  $\Delta$ Vdata=K(Vdata-Vo).
- [c34] 34. The driving method of a pixel of a display of claim 33, wherein the a driving current of the light emitting diode is proportional to  $(Vdata-Vo-\Delta Vdata)^2$ .
- [c35] 35. The driving method of a pixel of a display of claim 33, wherein K=Cs/Ctotal, Cs represents a capacitance of the first capacitor, and Ctotal is a sum of capacitances on the source terminal of the driving transistor.
- [c36] 36. The driving method of a pixel of a display of claim 35, wherein the pixel structure further comprises a second capacitor disposed between the first terminal and the second terminal of the light emitting diode for adjusting the K.